



SECRET

25X1

I
MAGERY
A
NALYSIS
D
IVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY

STATUS OF NORTH VIETNAMESE RAILROADS

DECLASS REVIEW by NIMA/DOD

REPORT NO. 24
CIA/PIR 75080

DATE JAN. 1967

GROUP 1
Excluded from automatic
downgrading and declassification

SECRET

25X1

WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

SECRET

25X1

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

P R E F A C E

This report summarizes significant items of photo intelligence relating to the North Vietnamese railroad system which has been developed from available photography (received by the CIA Imagery Analysis Division) during the period indicated on the cover. This report is intended to provide a comprehensive view of the railroad system and does not necessarily reflect the most recent status changes as reported by pilots' reports or field photo intelligence cables.

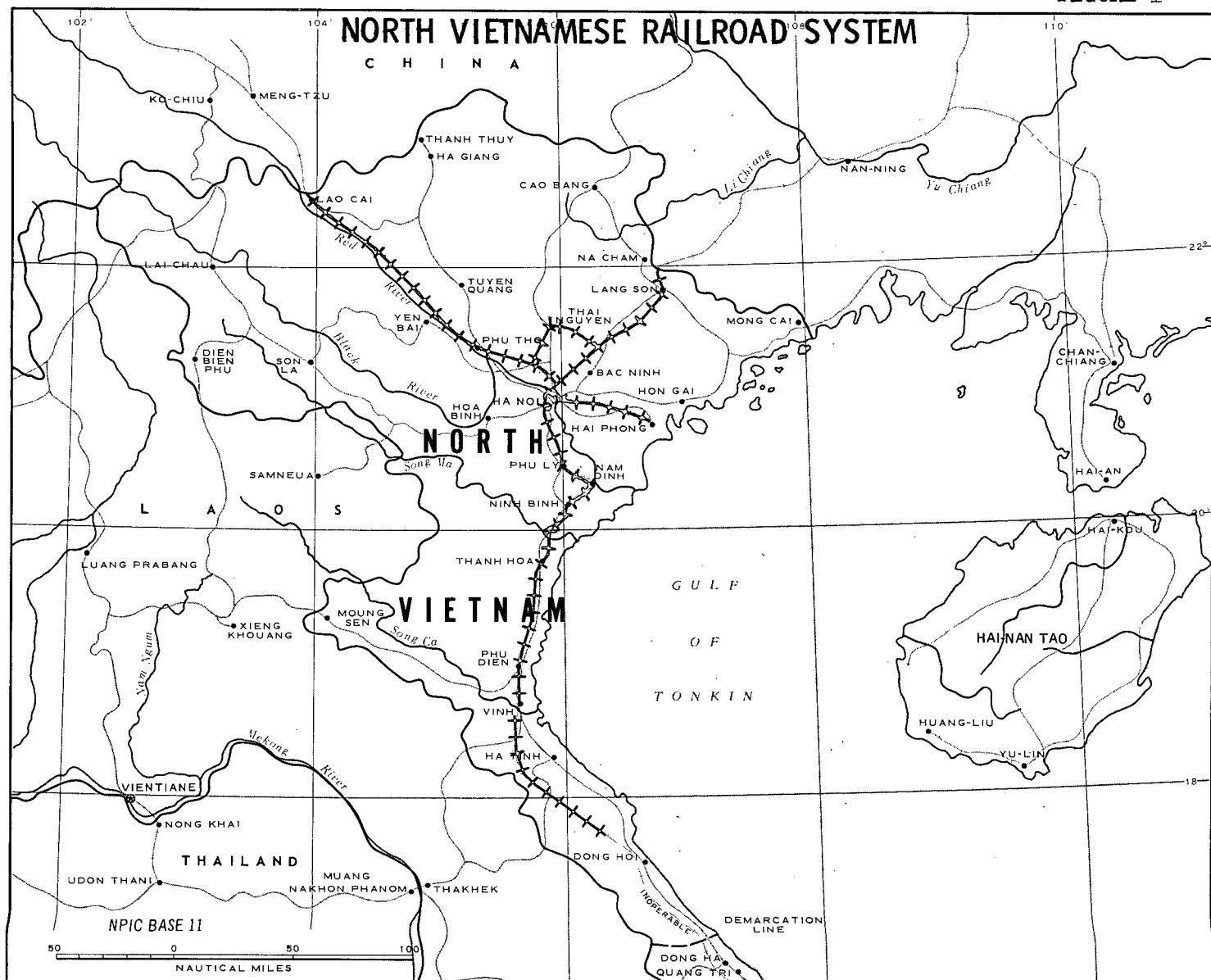
The railroad system has been broken down into 5 major lines: the Hanoi/Lao Cai Line, the Hanoi/Dong Dang Line, the Hanoi/Haiphong Line, the Hanoi/Dong Hoi Line and the Thai Nguyen Line (Figure I). Annotated maps and photos are used to show the status of each line.

SECRET

25X1

SECRET

PIR 7508025X1
FIGURE 1



SECRET

25X1

SECRET

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

25X1

SUMMARY

Those portions of the Hanoi/Lao Cai and Hanoi/Dong Dang Rail Lines covered by interpretable photography were open to through traffic. Four bridge interdictions were noted on the Hanoi/Dong Hoi Rail Line. Work continues on the railroad by-pass route around Hanoi.

CONTENTS

Hanoi/Lao Cai Rail Line	Page 4
Hanoi/Dong Dang Rail Line	6
Hanoi/Dong Hoi Rail Line	8
Hanoi/Haiphong Rail Line	15
Thai Nguyen Rail Line	16

SECRET

25X1

SECRET

FIR 75080
FIGURE 2

KEY

All Map within this report have been based on the following notes:

- Main bridge destroyed - new serviceable.
- Bypass bridge or bridge serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities, unserviceable.
- ▲ Bypass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- ▨ Extent of rail line covered by available, interpretable photography.
- (Star of life) - Turns to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.

Description of bridges numbered 1 through 76 can be found in CHAPTER 8880, August 1965.

HANOI - LAO CAI
RAILROAD

0 5
STATUTE MILES

SECRET

SECRET

25X1

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

ITEM OF INTEREST NO. 1: Hanoi/Lao Cai Rail Line

NAME : Lenh Khanh RR. Bridge SE

BE 25X1 :

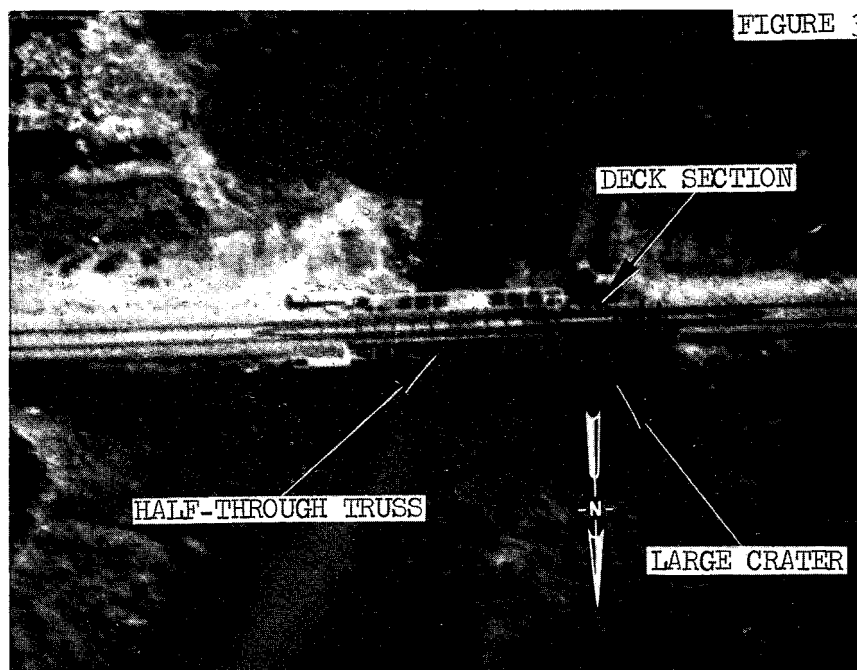
COORDINATES : 21 34N - 104 59E, VJ 991859

PHOTO REFERENCE :

25X1

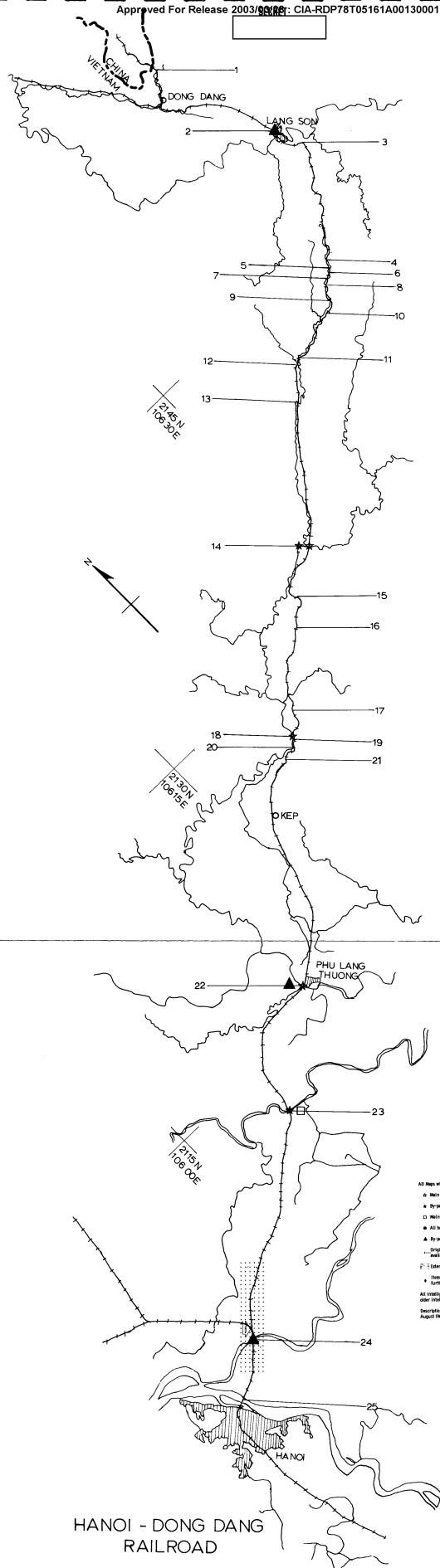
MAP REFERENCE : JOG (A) 1501, NF 48-10

The Lenh Khanh Railroad Bridge has been repaired and is now serviceable to through rail traffic. One abutment of the original single-span, half-through truss bridge is completely destroyed. This void has been spanned by a 20' (approx.) deck section.



25X1

SECRET



KEY

All maps within this report have been based on the following manner:

- 1. Main bridge location - new construction.
- 2. By-pass bridge or bridge construction.
- 3. Main bridge construction.
- 4. All bridge construction facilities construction.
- 5. By-pass bridge under construction.
- 6. Original bridge has not been damaged or destroyed based on available photography.
- 7. Content of rail line covered by available, interpretable photography.
- 8. Lines of interest. Turn to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red color intelligence is printed in black.

Description of bridge numbered 1 through 25 can be found in CHAPTER 60A, August 1965.

HANOI - DONG DANG
RAILROAD

0 5 10
STATUTE MILES

RAILROAD
STREAMS
BRIDGE NO. & LOCATION

14 -6-

~~SECRET~~

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

25X1

ITEM OF INTEREST NO. 1: Hanoi/Dong Dang Rail Line

NAME : Yen Vien Railroad Classification Yard

BE

:

COORDINATES : 21 05N - 105 55E, WJ 955314

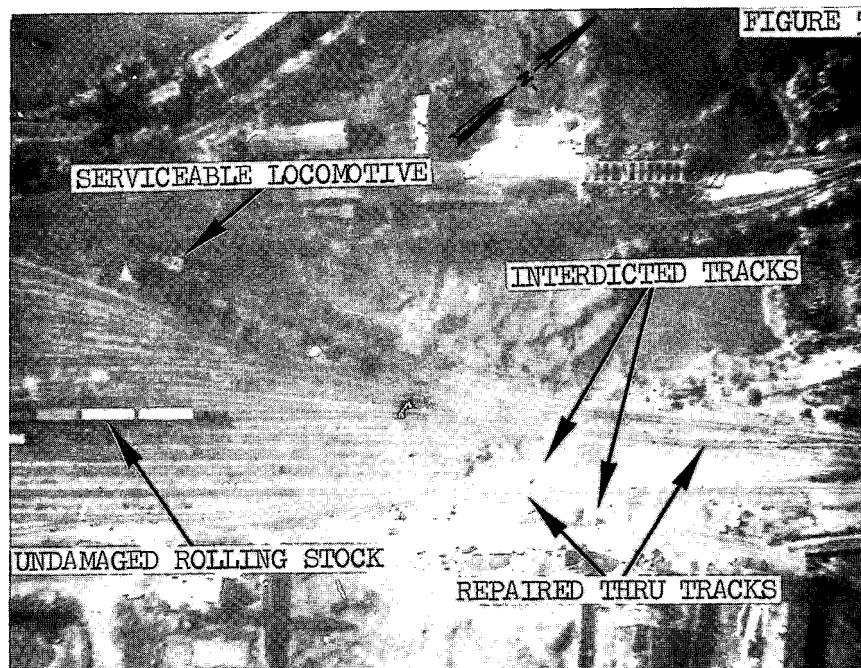
PHOTO REFERENCE

:

MAP REFERENCE : JOG (A) 1501, NF 48-11

25X1

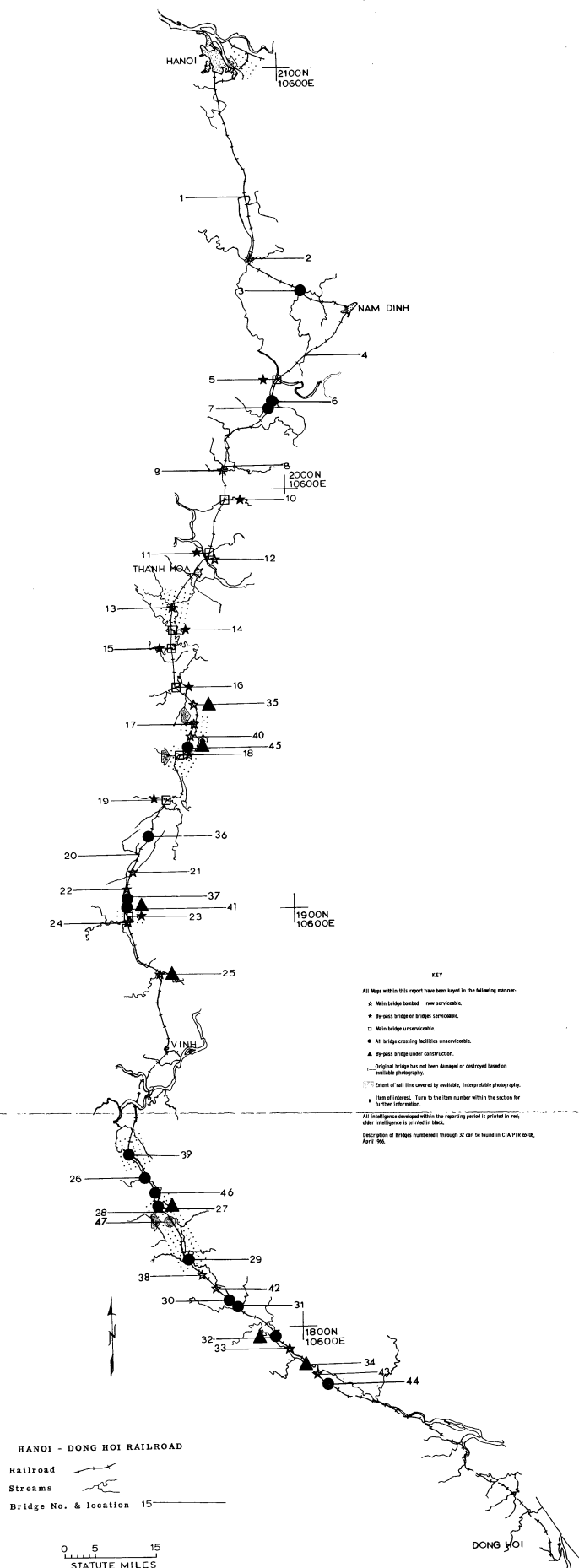
The Yen Vien Railroad Classification Yard has been damaged by bombing. The choke point at the northern end of the yard has been partially interdicted and is now undergoing repair. Four tracks remain unserviceable. The bulk of the yard is undamaged.



~~SECRET~~

25X1

PIR 75080
FIGURE 6



-8-
SECRET

SECRET

[REDACTED]

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

25X1

ITEM OF INTEREST NO. 1: Hanoi/Dong Hoi Rail Line

NAME : Yen Hoi Ha RR. Bridge

BE : [REDACTED]

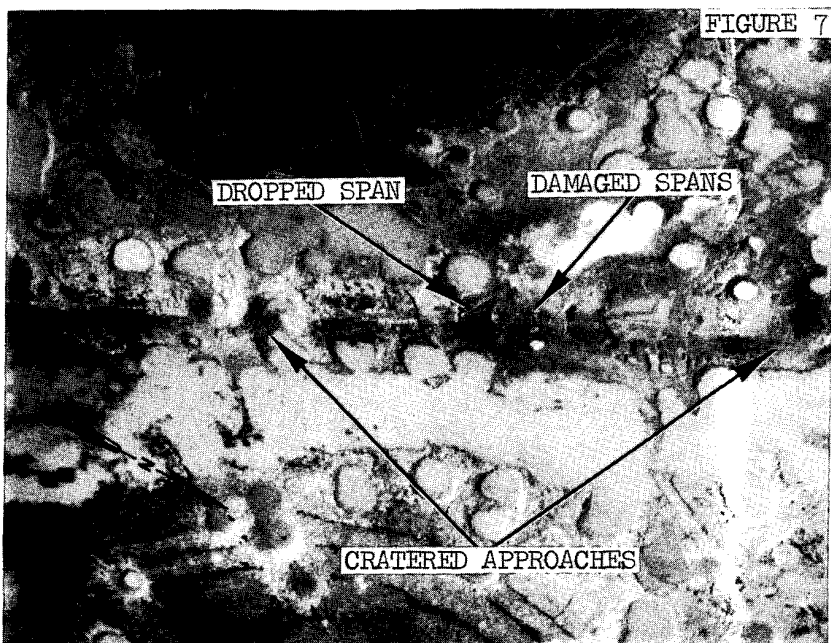
COORDINATES : 18 15N - 105 40E, WF 717189

PHOTO REFERENCE : [REDACTED]

MAP REFERENCE : JOG (A) 1501, NE 48-7

25X1

One span of the 3 span, deck-type Yen Hoi Ha Railroad Bridge has been dropped, and the other two spans have sustained heavy damage. Both approaches have been interdicted and the rail has been removed from the bridge and adjacent roadbed.



-9-

SECRET

[REDACTED]

25X1

SECRET

25X1

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

ITEM OF INTEREST NO. 2: Hanoi/Dong Hoi Rail Line

NAME : Dia Thuy RR. By-pass Bridge NW

BE 25X1 :

COORDINATES : 19 23N - 105 43E, WG 756417

PHOTO REFERENCE :

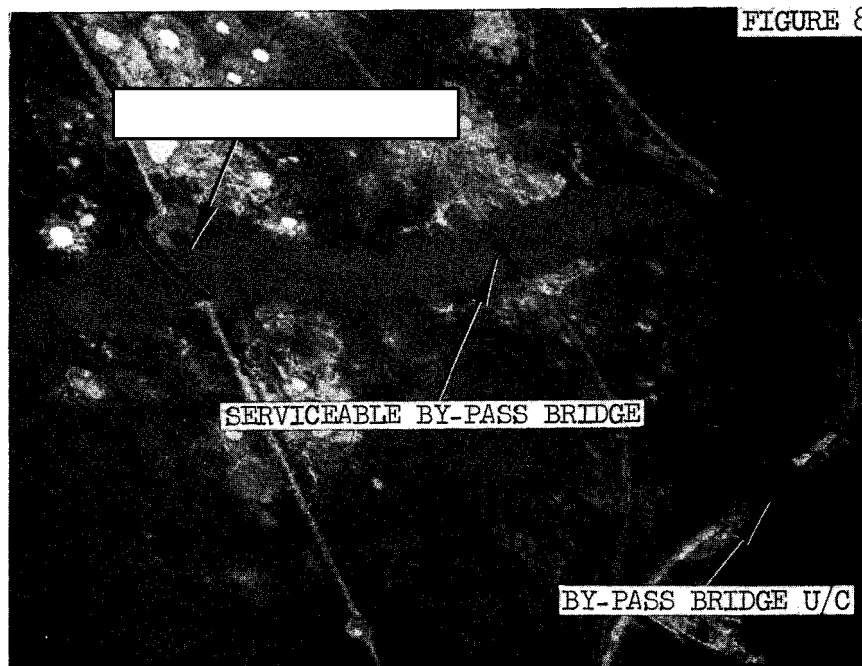
25X1

MAP REFERENCE : JOG (A) 1501, NE 48-3

The Dia Thuy Railroad By-pass Bridge NW has been repaired and is now serviceable. A second by-pass bridge is under construction approximately 700' north of the main bridge [] which remains unserviceable.

25X

25X1



25X1

SECRET

25X1

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

ITEM OF INTEREST NO. 3: Hanoi/Dong Hoi Rail Line

NAME : Loop siding under construction

BE : NA

COORDINATES : 19 27N - 105 46E, WG 808520

PHOTO REFERENCE

:

25X1

MAP REFERENCE

:

AMS L701, Sheet 6169 II

A 0.7 nm (approx.) loop siding is under construction from UTM WG 808522 to UTM WG 807517. Due to its configuration, it can be used as a passing track or as a storage siding. Approximately 14 small flat cars are located on an existing siding 0.1 nm S of the southernmost junction of the new spur with the main line.

SECRET

25X1

SECRET

25X1
FIR 75
FIGURE



ROADBED U/C

FLAT CARS

MAIN LINE

ROADBED ALIGNMENT

-12-

SECRET

25X1

25X1

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

ITEM OF INTEREST NO. 4: Hanoi/Dong Hoi Rail Line

NAME : Construction

BE : NA

COORDINATES : 20 59N - 105 54E

PHOTO REFERENCE

:

25X1

MAP REFERENCE

:

JOG (A) 1501, NF 48-15

Work continues on the northern section of the railroad by-pass route around Hanoi (see Report No. 19). Probable tracks has been laid from its junction with the Hanoi/Haiphong Rail Line at UTM WJ 988236 to UTM WJ 959207, a distance of approximately 2.5 nm. Probable ballast has been laid beyond the railhead and on at least 1 ferry approach.

On the southern section of the by-pass, ballast has been laid northward to UTM WJ 929193.

No work has been undertaken on the actual ferry slips on the Red River.

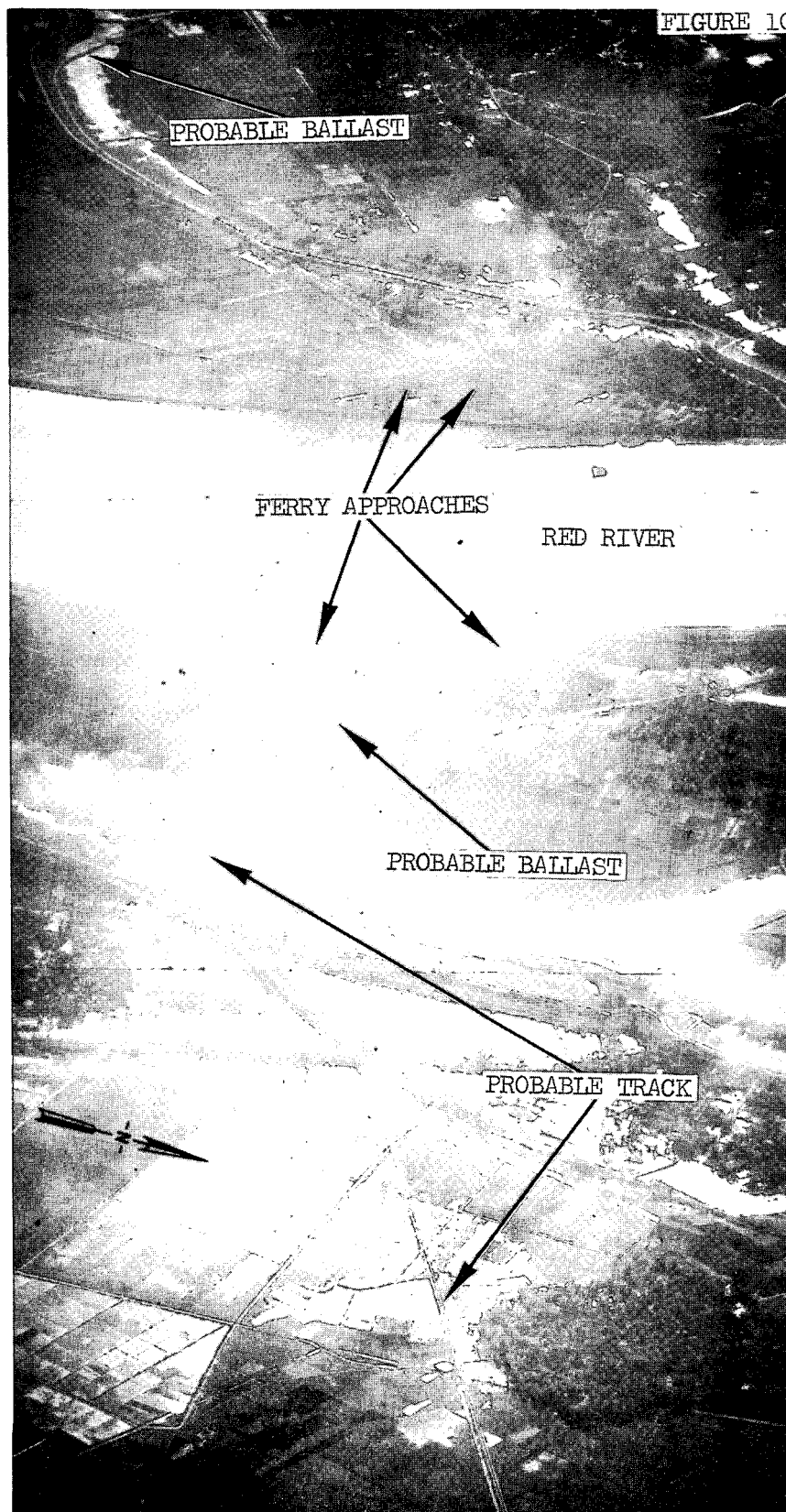
SECRET

25X1

CIA IMAGERY ANALYSIS DIVISION

PIR 75080

FIGURE 10



-14-

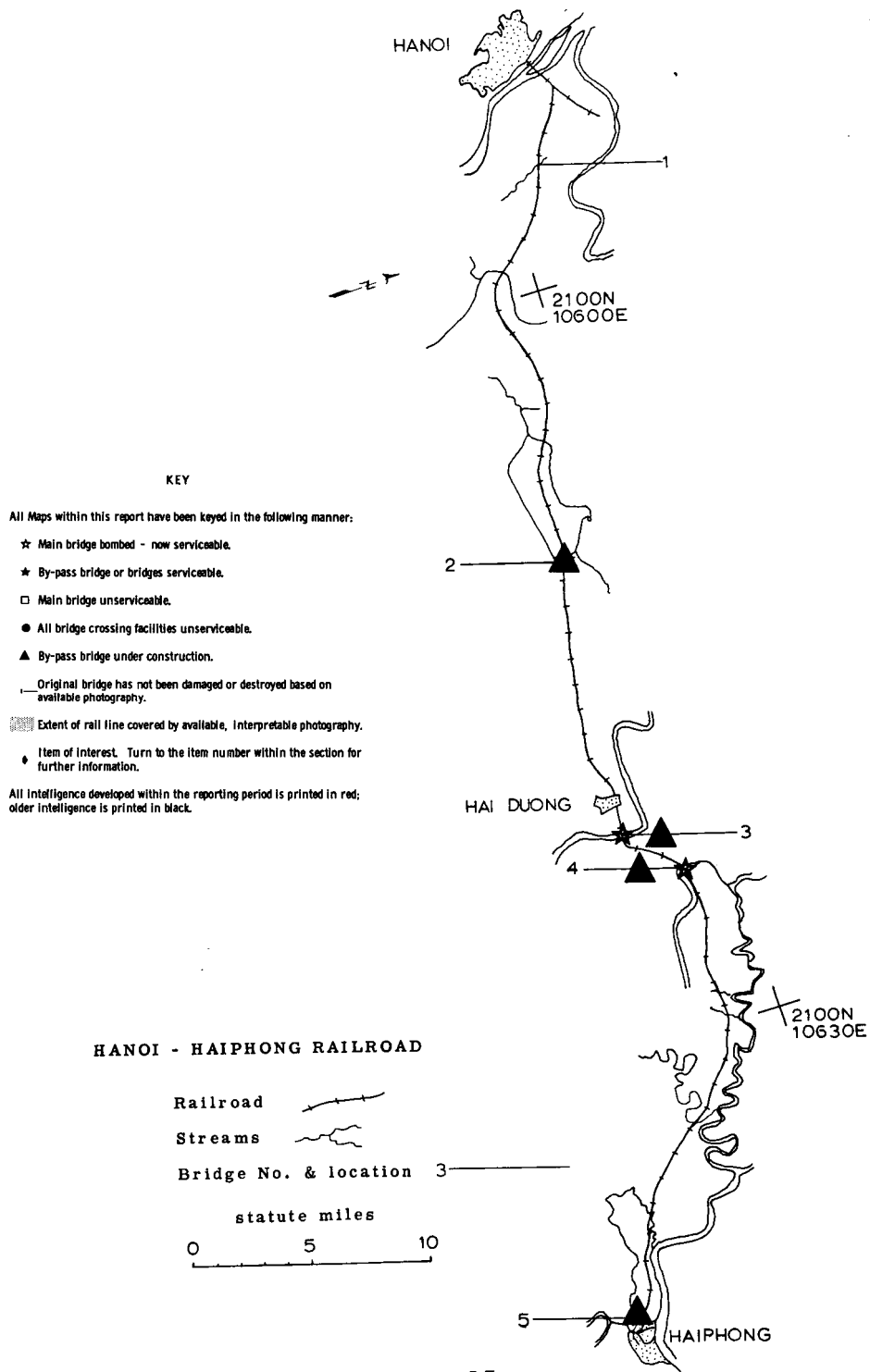
SECRET

25X1

SECRET

25X1

PIR 75080
FIGURE 11



-15-

SECRET

SECRET



KEY

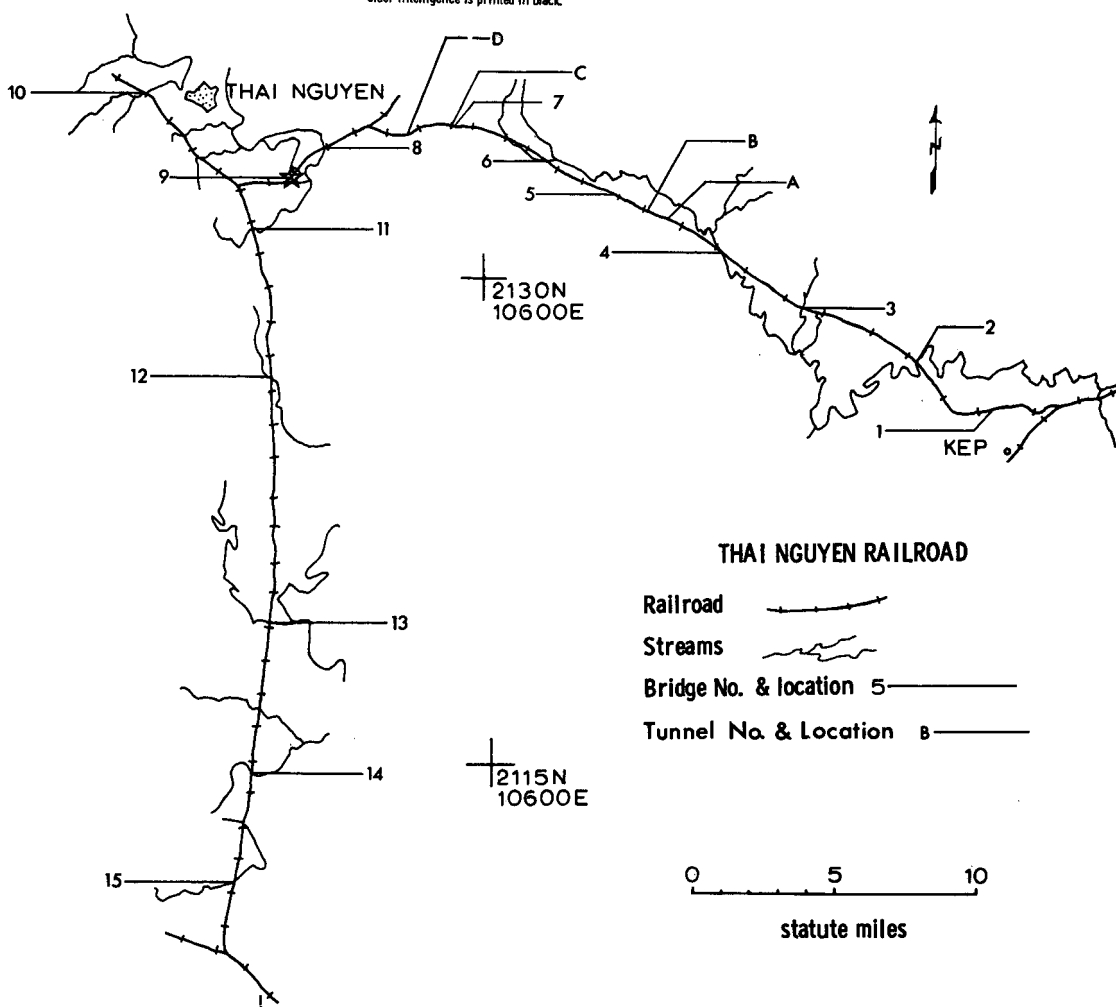
PIR 75080
FIGURE 12

25X

All Maps within this report have been keyed in the following manner:

- ★ Main bridge bombed - now serviceable.
- ★ By-pass bridge or bridges serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- ▨ Extent of rail line covered by available, interpretable photography.
- ◆ Item of Interest. Turn to the item number within the section for further information.

All Intelligence developed within the reporting period is printed in red; older intelligence is printed in black.



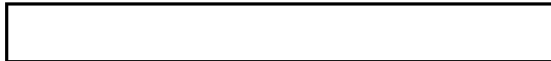
-16-

SECRET



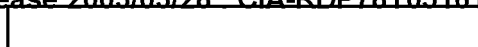
25X

SECRET



25X1

SECRET



25X1